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1. General Description
  2. Relay and Fuse
  3. Horn System
  4. Horn
  5. Horn Switch

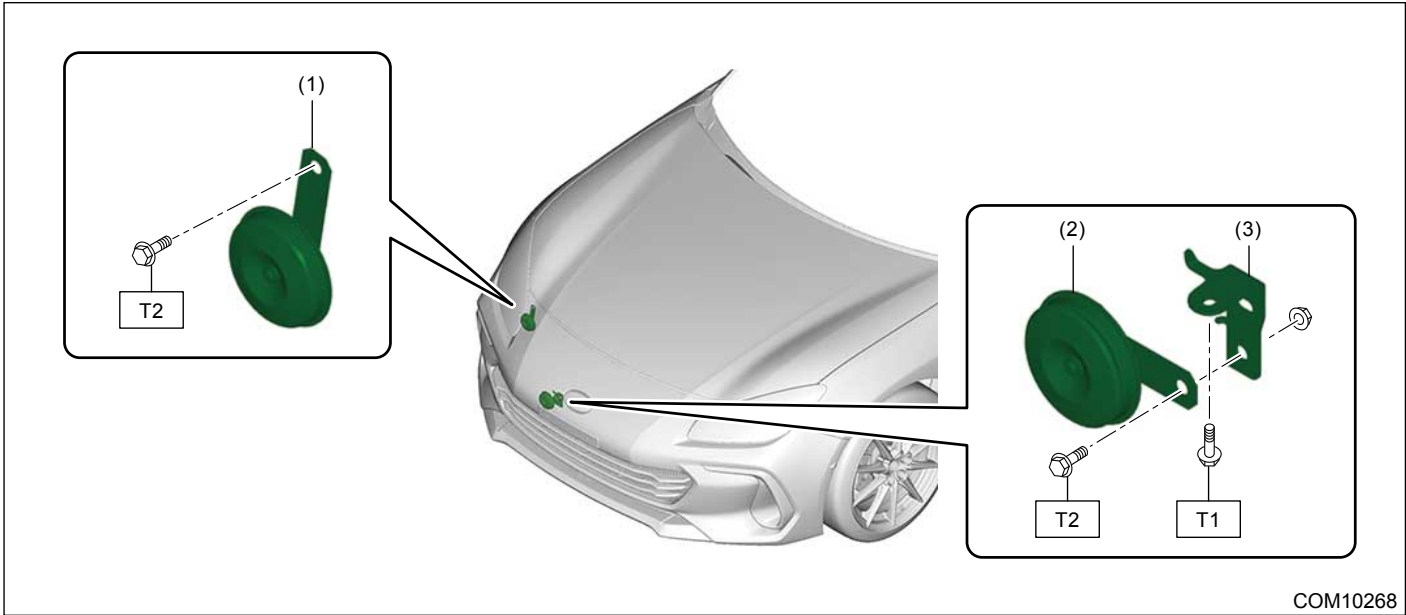
HORN > General Description

CAUTION

- When performing service operation, refer to “Repair Contents” in “General Description”.  [Ref. to REPAIR CONTENTS>Repair Contents.](#)
- When performing work on the sensors or modules, be careful of the following.
  - Before disconnecting electrical connectors, be sure to disconnect the ground terminal from the battery sensor.  [Ref. to REPAIR CONTENTS>NOTE > BATTERY.](#)
  - Do not apply any impact. If the parts are accidentally dropped, replace with a new part.
  - Do not expose to high-temperature and humidity.
- Refer to “CAUTION” of “General Description” in “AIRBAG SYSTEM” section.  [Ref. to AIRBAG SYSTEM>General Description.](#)

HORN > General Description

COMPONENT



(1) Horn ASSY Lo

(3) Horn bracket

(2) Horn ASSY Hi

**Tightening torque: N·m (kgf-m, ft-lb)**

**T1: 13 (1.3, 9.6)**


**T2: 18 (1.8, 13.3)**

HORN > General Description

PREPARATION TOOL

1. SUBARU SPECIAL TOOL

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
	—	SUBARU SELECT MONITOR 4	Used for setting of each function and troubleshooting for electrical system.


 <p>STSSM4</p>			<p><b>Note:</b></p> <ul style="list-style-type: none"> <li>• For detailed operation procedures, refer to “Help” of application.</li> <li>• Used together with interface for Subaru Select Monitor (such as DST-i and DST-010).</li> </ul>
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2. OTHER

	REMARKS
Circuit tester	Used for measuring resistance, voltage and current.

HORN > Relay and Fuse

LOCATION

For the location, refer to “FUSE AND RELAY” in the wiring diagram.  [Ref. to WIRING SYSTEM>Fuse And Relay.](#)

**Note:**  
For details of relay and fuse, refer to “DC POWER SUPPLY CIRCUIT”.  [Ref. to WIRING SYSTEM>Power Supply Circuit.](#)

HORN > Relay and Fuse

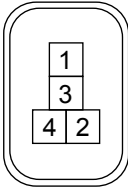
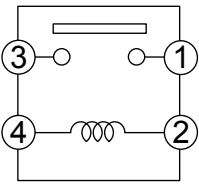
INSPECTION

1. CHECK FUSE

- 1. Remove the fuse and inspect visually.
- 2. If the fuse is blown out, replace the fuse.

2. CHECK RELAY


- 1. Check the resistance between relay terminals.

Terminal No.	Inspection conditions	Standard	Circuit
1 — 3	Always	1 MΩ or more	<div>ZD-*AJ</div> <div></div> <div></div> <div>COM10276</div>
1 — 3	Apply battery voltage between terminals 2 and 4.	Less than 1 Ω	

- 2. Replace the relay if the inspection result is not within the standard value.

HORN > Horn System

WIRING DIAGRAM

For the wiring diagram, refer to “Horn System” in the wiring diagram.  [Ref. to WIRING SYSTEM>Horn System>WIRING DIAGRAM.](#)

HORN > Horn System

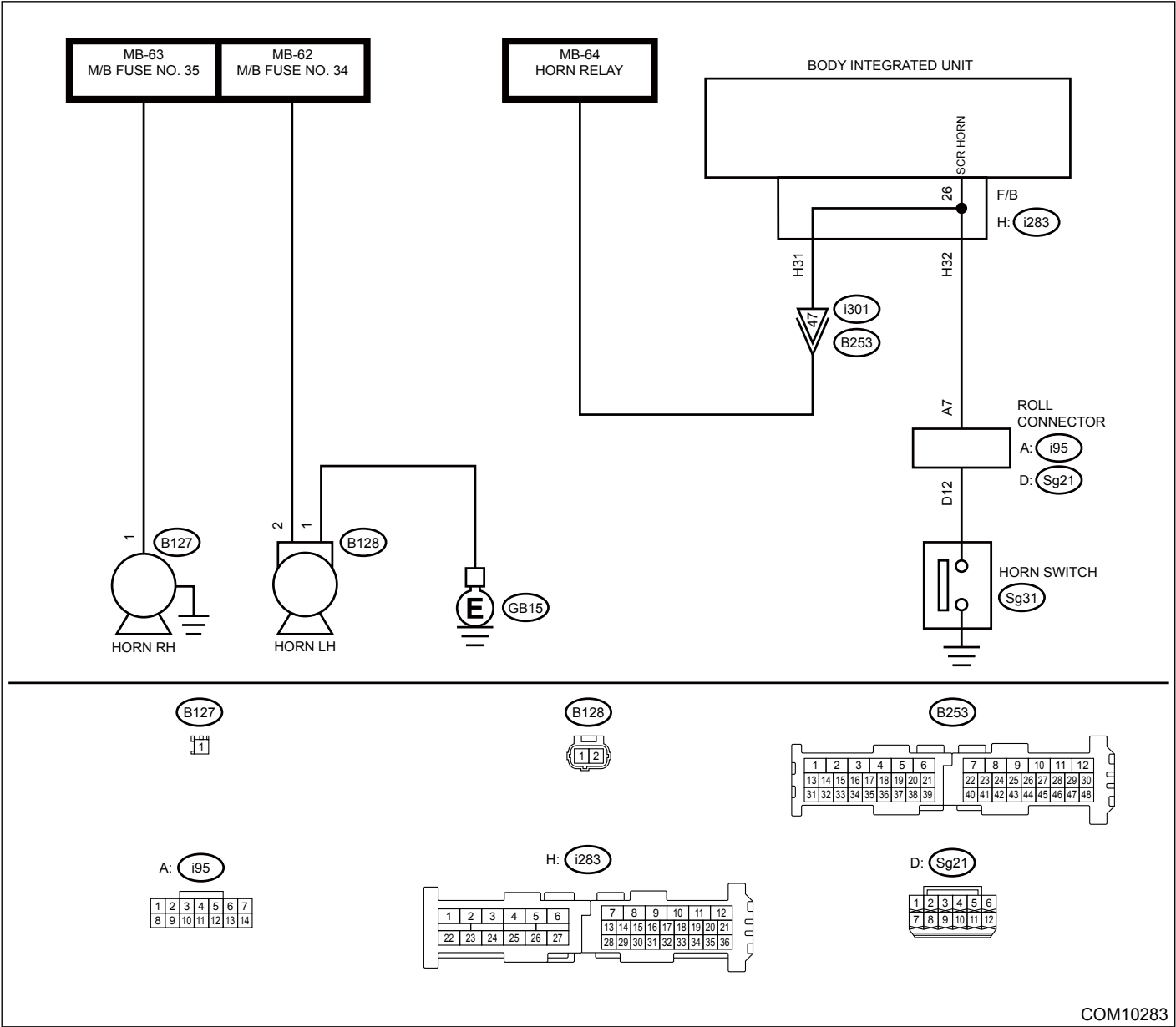
INSPECTION

1. TROUBLE SYMPTOM

Horn does not sound


Wiring diagram:

Horn system  [Ref. to WIRING SYSTEM>Horn System>WIRING DIAGRAM.](#)



## 1. CHECK FUSE.



Check the horn fuse inside the fuse box.  [Ref. to HORN>Relay and Fuse>INSPECTION > CHECK FUSE.](#)

Is the check result OK?

Yes

 [Go to 2.](#)

No

Replace the appropriate fuse.

## 2. CHECK HORN RELAY.



Check the relay inside the fuse box.  [Ref. to HORN>Relay and Fuse>INSPECTION > CHECK RELAY.](#)

Is the check result OK?

Yes


 [Go to 3.](#)

No

Replace the horn relay.

## 3. CHECK HORN.



1. Turn the ignition switch to ON.
2. Using the Subaru Select Monitor, perform [Active Test] in [Body Control], and check the horn sound.  
 [Ref. to BODY CONTROL\(DIAGNOSTICS\)>Active Test.](#)

Does the horn operate properly?


Yes

 [Go to 6.](#)

No

 [Go to 4.](#)

## 4. CHECK HARNESS.

1. Turn the ignition switch to OFF.
2. Remove the body integrated unit.  [Ref. to BODY CONTROL/COMMUNICATION SYSTEM>Body Integrated Unit>REMOVAL.](#)
3. Check the component harness.

### Connector & terminal

#### Horn relay and body integrated unit

Horn relay — F/B No. 26:

#### Horn assembly Lo


M/B fuse No. 35 (downstream side) — (B127) No. 1:

#### Horn assembly Hi

M/B fuse No. 34 (downstream side) — (B128) No. 2:  
(B128) No. 1 — Chassis ground:

Is harness normal?

Yes

 [Go to 5.](#)

No

Repair or replace the defective part.



## 5. CHECK HORN.

Check the horn assembly.  [Ref. to HORN>Horn>INSPECTION.](#)


Is the horn normal?

Yes

Check the body integrated unit and replace it if defective.


- Inspection:  [Ref. to BODY CONTROL\(DIAGNOSTICS\)>Basic Diagnostic Procedure.](#)
- Replacement:  [Ref. to BODY CONTROL/COMMUNICATION SYSTEM>Body Integrated Unit.](#)

No

Replace the horn assembly.  [Ref. to HORN>Horn.](#)



## 6. CHECK HARNESS.

1. Remove the body integrated unit.  [Ref. to BODY CONTROL/COMMUNICATION SYSTEM>Body Integrated Unit>REMOVAL.](#)

2. Check the harness between the joint fuse box and roll connector.

### Connector & terminal

F/B No. 26 — (i95) No. 7:

Is harness normal?


Yes

 [Go to 7.](#)

No

Repair or replace the defective part.

## 7. CHECK HORN SWITCH.

Check the horn switch.  [Ref. to HORN>Horn Switch>INSPECTION.](#)



Is the horn switch normal?

Yes


 [Go to 8.](#)

No

Replace the satellite switch assembly or the driver's airbag module.

- Satellite switch assembly:  [Ref. to POWER ASSISTED SYSTEM \(POWER STEERING\)>Steering Switch.](#)
- Driver's airbag module:  [Ref. to AIRBAG SYSTEM>Driver's Airbag Module.](#)

## 8. CHECK STEERING ROLL CONNECTOR.

Check the steering roll connector.  [Ref. to AIRBAG SYSTEM>Roll Connector>INSPECTION>UNIT INSPECTION>STEERING ROLL CONNECTOR CIRCUIT \(EXCEPT FOR AIRBAG CIRCUIT\).](#)

Is the steering roll connector OK?

Yes

Check the connector for temporary poor contact.



No

Replace the steering roll connector.  [Ref. to AIRBAG SYSTEM>Roll Connector.](#)

## NOTE

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For operation procedures of components of the horn system, refer to the following sections.

- Horn assembly:  [Ref. to HORN>Horn.](#)
- Horn switch:  [Ref. to HORN>Horn Switch.](#)

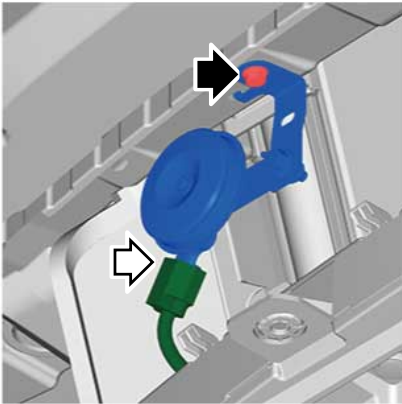
## REMOVAL



### 1. HORN ASSEMBLY HI

1. Disconnect the ground terminal from battery sensor.  [Ref. to REPAIR CONTENTS>NOTE > BATTERY.](#)
2. Remove the bumper face front.  [Ref. to EXTERIOR/INTERIOR TRIM>Front Bumper>REMOVAL > BUMPER FACE.](#)
3. Remove the horn sub assembly Hi.
  - (1) Disconnect the connector.
  - (2) Remove the bolt, and remove the horn sub assembly Hi.

ZD-\*AJ



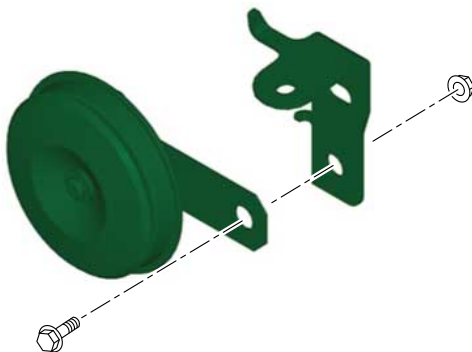
COM10269

4. Remove the bolt and nut, and then remove the horn assembly Hi from the horn bracket.

#### Note:


**Perform this procedure only when required.**

ZD-\*AJ

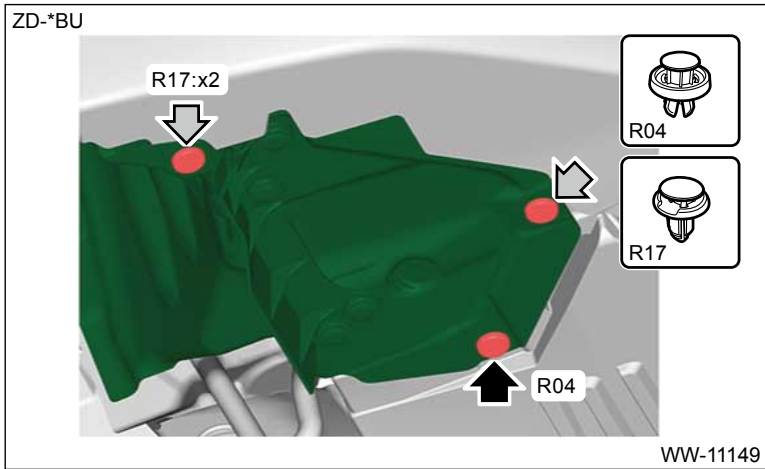


COM10270

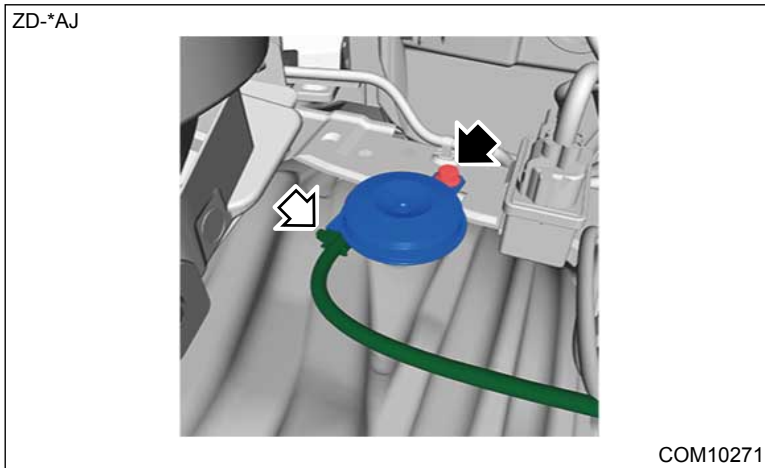
### 2. HORN ASSEMBLY LO

1. Disconnect the ground terminal from battery sensor.  [Ref. to REPAIR CONTENTS>NOTE > BATTERY.](#)
2. Lift up the vehicle.

3. Remove the clips, and turn over the mud guard front RH.



4. Remove the horn assembly Lo.
  - (1) Disconnect the connector.
  - (2) Remove the bolt, and remove the horn assembly Lo.



## HORN > Horn

### INSTALLATION

#### 1. HORN ASSEMBLY HI

1. Install the horn assembly Hi to the horn bracket.


##### **Tightening torque:**

18 N·m (1.8 kgf-m, 13.3 ft-lb)

2. Install the horn sub assembly Hi, and connect the connector.

##### **Tightening torque:**

13 N·m (1.3 kgf-m, 9.6 ft-lb)

3. Install the bumper face front.  [Ref. to EXTERIOR/INTERIOR TRIM>Front Bumper>INSTALLATION > BUMPER FACE.](#)
4. Connect the ground terminal to battery sensor.  [Ref. to REPAIR CONTENTS>NOTE > BATTERY.](#)

#### 2. HORN ASSEMBLY LO

1. Install the horn assembly Lo, and connect the connector.

**Tightening torque:**

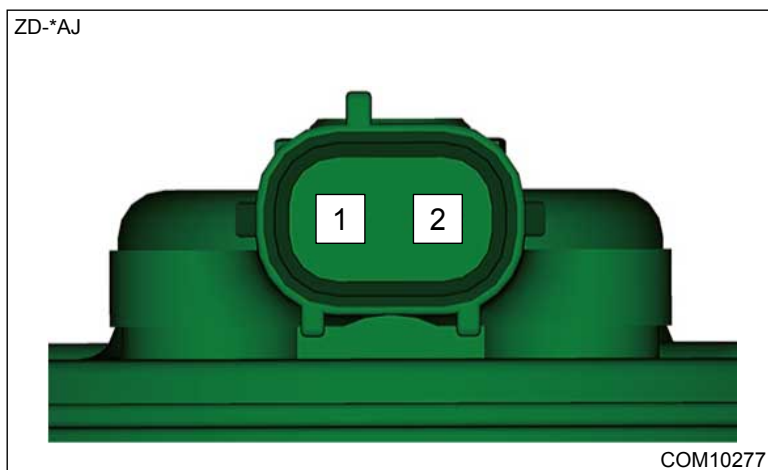
18 N·m (1.8 kgf-m, 13.3 ft-lb)

2. Install the mud guard front RH.  [Ref. to EXTERIOR/INTERIOR TRIM>Mud Guard>INSTALLATION.](#)
3. Lower the vehicle.
4. Connect the ground terminal to battery sensor.  [Ref. to REPAIR CONTENTS>NOTE > BATTERY.](#)

## HORN > Horn

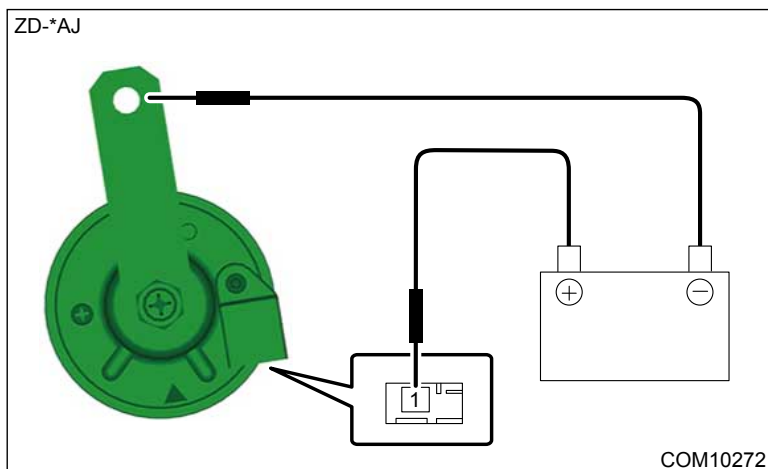
### INSPECTION

1. Check the horn sounds when applying the battery voltage to the horn assembly.
  - Horn assembly Hi side



Terminal No.	Inspection conditions	Specification
1 (+) — 2 (-)	Apply battery voltage.	Sounds

- Horn assembly Lo side



Terminal No.	Inspection conditions	Specification
1 (+) — Horn case (-)	Apply battery voltage.	Sounds


2. If it does not operate normally, replace the horn assembly.

## HORN > Horn Switch

### NOTE

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Horn switch is a unit with the driver's airbag module.

For the horn switch operation, refer to "Driver's Airbag Module" in the "AIRBAG SYSTEM" section.  [Ref. to AIRBAG SYSTEM>Driver's Airbag Module.](#)


## HORN > Horn Switch

### INSPECTION



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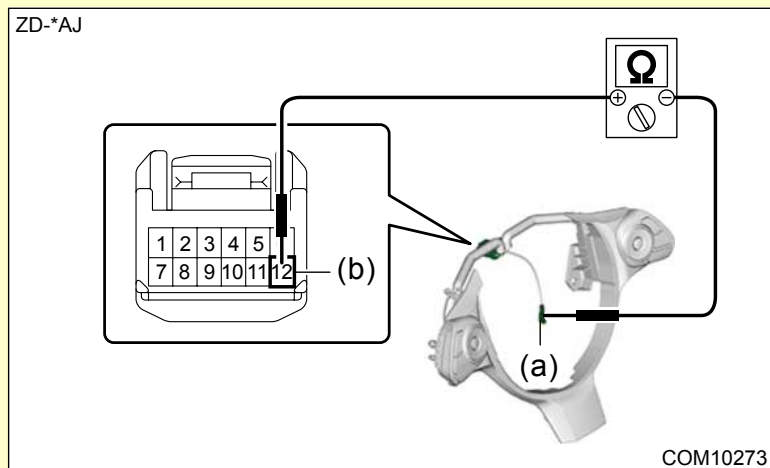
#### 1. CHECK HORN SWITCH

##### Caution:

**Before handling the airbag system components, refer to "CAUTION" of "General Description" in "AIRBAG SYSTEM".**  [Ref. to AIRBAG SYSTEM>General Description>CAUTION.](#)

## 1. CHECK HORN SWITCH TERMINAL.

1. Turn the ignition switch to OFF.
2. Disconnect the ground terminal from the battery sensor, and wait for at least 60 seconds before starting work.  [Ref. to REPAIR CONTENTS>NOTE > BATTERY.](#)
3. Remove the driver's airbag module.  [Ref. to AIRBAG SYSTEM>Driver's Airbag Module>REMOVAL.](#)
4. Measure the resistance between connectors.



- (a) Ground terminal  
(b) Horn switch terminal


Terminals	Standard
Horn switch terminal — ground terminal	Less than 1 $\Omega$

Is the measured value within the standard value?

Yes

 [Go to 2.](#)

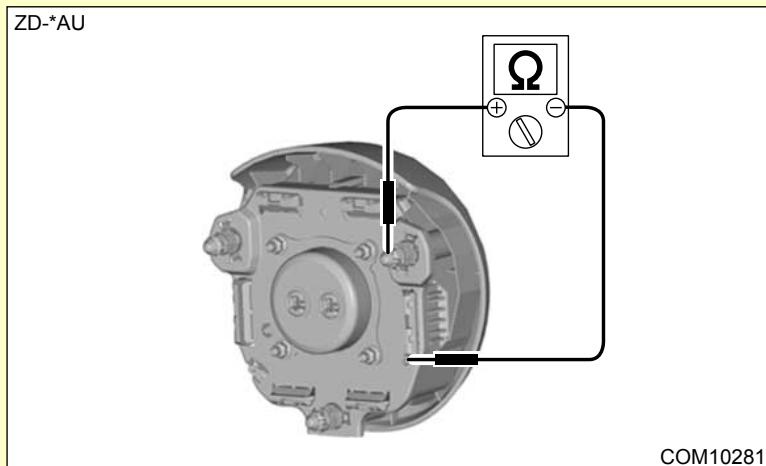
No

It is possible that there is an open circuit between horn switch terminal and ground terminal. Replace the satellite switch assembly.  [Ref. to POWER ASSISTED SYSTEM \(POWER STEERING\)>Steering Switch.](#)

## 2. CHECK DRIVER'S AIRBAG MODULE.



Measure the resistance between horn plate and snap pin hook.




Terminals	Standard
Horn plate — Snap pin hook	1 MΩ or more

Is the measured value within the standard value?

Yes

 [Go to 3.](#)

No

Replace the driver's airbag module.  [Ref. to AIRBAG SYSTEM>Driver's Airbag Module.](#)



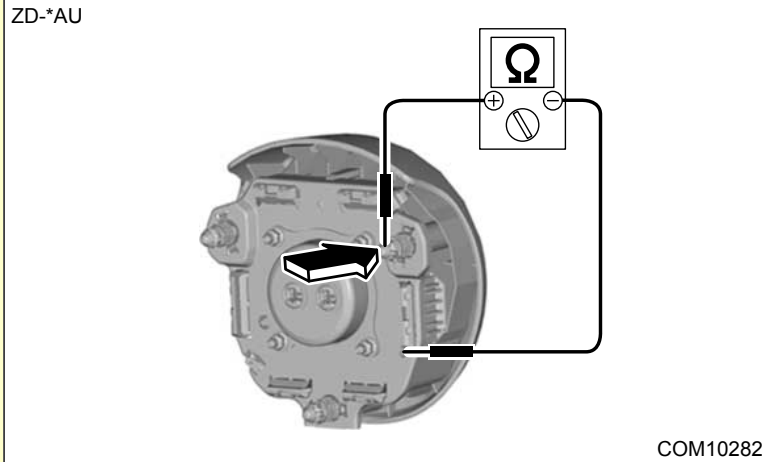
### 3. CHECK DRIVER'S AIRBAG MODULE.



Measure the resistance between horn plate and snap pin hook with the snap pin hook pressed-in firmly.

**Caution:**

**Measure at all three positions of the snap pin hook.**




Terminals	Standard
Horn plate — Snap pin hook	Less than 1 $\Omega$

Is the measured value within the standard value?

Yes

Driver's airbag module is normal.

No

Replace the driver's airbag module.  [Ref. to AIRBAG SYSTEM>Driver's Airbag Module.](#)